

Work Order ID 164973

Friday, August 11, 2017 10:52:49 AM

164973

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Item ID: D3802-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Window Seal (\$ per foot)
 Start Date: 8/14/2017 Start Qty: 50.00 ***50*** Cust Item ID:
 Required Date: 8/18/2017 Req'd Qty: 50.00 ***50*** Customer:
 Reference:

Approvals: Process Plan: DQB **DAS 13 9-89** Date: 2017/08/11 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3802	D								
100	PURCHASING	0.00							
100									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>37408</u>								
	Purchase Part Number: 93695K58								
	Supplier: Mc MASTER-CARR								
	Certificate of conformity is required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	1.00							
Packaging	Ensure material certification is attached								
120	QC6- All purchased or subcontracted products	0.00							
120									
QC	Memo	0.00							
Quality Control	Ensure Material certification comply to Dwg D3802								

50 **DAS 13 9-89** DQB
 2017/08/14

50 **DAS 6 9-89**
 AUG 16 2017

50 **DAS 36 9-89**
 AUG 17 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval				
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval			
Root Cause		FAULT CATEGORY									
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :							
Misidentified	☐	Past Due	☐								

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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: 51416	0.00							
130									
Packaging	Memo	0.50			DAS 6 9-89	50		AUG 21 2017	nl
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	5.00						AUG 25 2017	
Quality Control									

DAS
21
9-89 **um 17/8/21**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Page 1

Work Order ID: 164973

164973

Parent Item: D3802-1

D3802-1

Parent Item Name: Window Seal (\$ per foot)

Start Date: 8/14/2017

Required Date: 8/18/2017

Start Qty: 50.00

Required Qty: 50.00

Comments: IPP Rev:A 09-01-12 rev.A as per dwg DD verified by:ec
IPP Rev:B 09-04-15 rev.b as per dwg DD verified by:EC IPP Rev:C
10.08.04 p/n chg per ECN10-568 DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
93695K58 *93695K58* WINDOW SEAL		Purchased	No			110	f	0.0000	1 **	50	DAS 6 B-E	AUG 16 2017	

DQA: _____ Date: _____



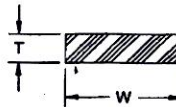
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
2-AC 2-3 2-4								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

SPECIFICATION CONTROL DRAWING



D3802-X-YYY WINDOW SEAL WHERE YYY REPRESENTS LENGTH

DART P/N	SUPPLIER	SUPPLIER P/N	T THICKNESS	W WIDTH
D3802-1-YYY	McMASTER-CARR	93695K58	0.25	1.00

EG: 0.25" X 1.00" X 40" WINDOW SEAL = D3802-1-040
0.25" X 1.00" X 120" WINDOW SEAL = D3802-1-120

RELEASED
2011-11-25

- NOTES:
- 1) MATERIAL: 'PEEL AND STICK' NEOPRENE/EPT/SBR BLEND CLOSED CELL SPONGE, MEDIUM DENSITY
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: NONE
 - 7) WEIGHT: N/A

D	CORRECTED PIN EXAMPLE FOR CUT LENGTH OF 40" ADDED EXAMPLE FOR CUT LENGTH OF 120" (N B3-1). REASON: PART 11-100.	MB	11.11.22
C	CHANGE SUPPLIER P/N TO 93695K58 PER FLAMMABILITY TEST RESULTS	MB	10.06.30
B	CHANGE SUPPLIER P/N TO 93695K58 PER FLAMMABILITY TEST RESULTS	MB	08.12.18
A	NEW ISSUE	MB	08.06.20
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.11.22		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D3802 REV. D TITLE WINDOW SEAL SHEET 1 OF 1 SCALE NTS COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

W/L 164973 DDB 27/08/11

DAS
13
9-89



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO37408

Purchase Order Date 8/14/2017

PO Print Date 8/14/2017

Page Number 1 of 3

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

2017/08/14

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: Purolator ground ppd

Ship Acct:

Buyer

Diane Baker

Customer POID

Customer Tax # 10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extend Pr
	Line Comments		Promise Date				
	Delivery Comments						
1	9776K131	Flame retardent nylon Hook & Loop	8/17/2017		50.00	\$11.36	\$567.
	As Per DWG D3800 Rev. B B164974		Yes 8/17/2017		f	DAS 38 9-89	
Line Total:							\$567.
2	93695K58	WINDOW SEAL	8/17/2017		50.00	\$0.31	\$15.
	As Per Dwg D3802 Rev. D B164973		Yes 8/17/2017		f	DAS 38 9-89	
Line Total:							\$15.

AUG 16 2017

SLP

Note:

8/14/2017

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO37408

Page 1 of

Order Placed By
Diane Baker

08/14/201

McMaster-Carr Number
7219928-02

Line	Product	Ordered	Shipped	
2	93695K58 Oil-Resistant Fire-Retardant Blended Buna-N Foam, 50 Feet Adhesive-Back Strip, 1/4" Thick, 1" Wide	1 Each	1	DA# 38 0-89
3	92311A639 18-8 Stainless Steel Cup-Point Set Screw, 3/8"-24 Thread, 1" Long, Packs of 10	10 Packs	10	
4	59915K274 Corrosion-Resistant Ball Joint Rod End, 3/8"-24 Thread, Right Hand	5 Each	5	
5	91274A164 Zinc-Aluminum-Coated Alloy Steel Socket Head Screw, 1/4"-20 Thread Size, 3/4" Long, Packs of 50	1 Pack	1	
6	98381A669 Dowel Pin, Alloy Steel, 7/16" Diameter, 1" Long, Packs of 10	2 Packs	2	
7	1145N1 Paint and Drywall Mud Mixing Attachment, 5/16" Shaft Diameter, 16" Shaft Length	2 Each	2	
8	2514A21 Miter and Chop Saw Blade for Steel, 12" Diameter, 1" Arbor Hole, 60 Teeth	1 Each	1	

Shipped separately from our Chicago warehouse on 08/14

1	9776K88 Flame-Retardant Hook and Loop, 1" Wide x 50' Long, Adhesive Back, Beige	1 Each	1	
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